

Abstract

A metal jet cutting system, which includes a jetting heat, a heater and a power source, is used for modifying a workpiece. The jetting head includes a crucible and an inlet for receiving a feed stock of a conductive material. The heater melts the conductive material in the crucible to provide a conductive fluid, which exits the jetting head via an outlet. The power source, which is in electrical communication with the conductive fluid, increases the temperature of the conductive fluid. The conductive fluid is applied to the workpiece to modify the workpiece.

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